

Docket Optical System - docket number 09-IEP-1M "Advanced Generation"

From: <f.brandt@att.net>
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Date: 8/8/2009 6:20 PM
Subject: docket number 09-IEP-1M "Advanced Generation"

California Energy Commission
Dockets Office, MS-4
Re: Docket No. 09-IEP-1M "Advanced Generation"
1516 Ninth Street
Sacramento, CA 95814-5512

DOCKET**09-IEP-1M**

DATE AUG 08 2009

RECD AUG 10 2009

Comment by Frank Brandt a private citizen

You have requested comments on the report CEC 500-2009-086-D

I have just skimmed .it. What a lot of work it represents.. It reinforces the statements I made in my comments of 7/29/09. This report is a big waste of taxpayer money and the time and effort of those who prepared it.

The cavalier manner in which nuclear energy is dismissed should alert the public that here is a report which is geared to the bias of the legislature and the CEC. It is not a thoughtful study of energy options. Instead of pointing out that nuclear is the only energy source available right now which can meet the needs of the public and industry and not produce any greenhouse gas. It lists as a disadvantage that the state has erected roadblocks but neglects to say that these roadblocks were erected years ago based on false assumptions by a biased legislature. There is no nuclear waste problem. The report should present the ample evidence that this "problem", created by anti nuclear activists when they lost a state imitative that would have abolished nuclear plants.is specious. The public did not buy their argument.. There is no good technical reason for nuclear energy to be dismissed and the report should so state. The implied financial and component problems are also specious.

All of the so called advanced power sources discussed have numerous real problems that the report failed to note.

Water vapor is a much more effective greenhouse gas than CO2. Water vapor should be high on the list of any serious consideration of greenhouse gas reduction. The report says nothing about this problem.

To use cooling tower as a replacement for once through cooling will send millions of tons of water vapor into the atmosphere nullifying any attempts to reduce other less effective greenhouse gasses. The report does not consider this..

All fossil fueled power units using fuel with hydrogen content will emit water vapor as a function of the amount of hydrogen in the fuel.. We are talking of a lot of water vapor which is ignored by the report. .The use of pure hydrogen as a fuel in addition to requiring vast amounts of energy to produce when burned will send water vapor out, again nullifying CO2 removal schemes.

The report does not mention that wind and solar energy are not suitable for generating reliable commercial electric power although presumably this advanced power source study is being conducted because somebody realizes that solar and wind are not suitable

I could go on ad nauseum about the deficiencies of this report but it is not worth my time to continue to point out the obvious. The CEC must start to be a help to the citizens of the state instead of an attacker on energy matters.

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